

AMENDMENT

Listing of the Claims:

The following listing of claims will replace all prior versions and listings of claims in the application.

1.-37. (Canceled)

38. (Currently Amended) A pharmaceutical composition comprising an isolated hyperimmune serum-reactive antigen comprising an amino acid sequence from any of SEQ ID NOs: 32 to 62 SEQ ID NO: 32 or antigenic fragments thereof.

39. (Canceled)

40. (Currently Amended) The pharmaceutical composition of claim 38, wherein the hyperimmune serum-reactive antigen or fragment of claim 39, is further defined as comprising an amino acid sequence of: amino acids 6-28, 54-59, 135-147, 193-205, 274-279, 284-291, 298-308, 342-347, 360-366, 380-386, 408-425, 437-446, 457-464, 467-477, 504-510, 517-530, 535-543, 547-553, 562-569, 573-579, 592-600, 602-613, 626-631, 638-668 and/or 396-449 of SEQ ID NO: 32; 5-24, 101-108, 111-117, 128-142, 170-184, 205-211, 252-267, 308-316, 329-337, 345-353, 360-371, 375-389, 393-399, 413-419, 429-439, 446-456, 471-485, 495-507, 541-556, 582-588, 592-602, 607-617, 622-628, 630-640 and/or 8-21 of SEQ ID NO: 33; 10-20, 23-33, 40-45, 59-65, 72-107, 113-119, 127-136, 151-161 and/or 33-59 of SEQ ID NO: 34; 4-16, 28-34, 39-61, 66-79, 100-113, 120-127, 130-137, 142-148, 150-157, 192-201, 203-210, 228-239, 245-250, 256-266, 268-278, 288-294, 312-322, 336-344, 346-358, 388-396, 399-413, 425-430, 445-461, 464-470, 476-482, 486-492, 503-511, 520-527, 531-541, 551-558, 566-572, 609-625, 635-642, 650-656, 683-689, 691-705, 734-741, 750-767, 782-789, 802-808, 812-818, 837-844, 878-885, 907-917, 930-936 and/or 913-933 of SEQ ID NO: 35; 5-12, 20-27, 46-78, 85-92, 104-112, 121-132, 150-167, 179-185, 200-213, 221-227, 240-264, 271-279, 282-290, 311-317 and/or 177-206 of SEQ ID NO: 36; 18-24, 31-40, 45-51, 89-97, 100-123, 127-132, 139-153, 164-170, 184-194, 200-205, 215-238, 244-255, 257-270, 272-280, 289-302, 312-318, 338-348, 356-367 and/or 132-152 of SEQ ID NO: 37; 7-16, 39-45, 73-83, 90-98, 118-124, 130-136, 194-204, 269-280, 320-327, 373-381, 389-397, 403-408, 424-430, 436-441, 463-476, 487-499, 507-514, 527-534, 540-550, 571-577, 593-599, 620-629, 641-647, 650-664, 697-703, 708-717, 729-742, 773-790, 794-

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41. (Currently Amended) The pharmaceutical composition of claim 38, wherein the hyperimmune serum-reactive antigen or fragment of claim 39, comprising comprises at least 6 contiguous amino acids of any of ~~SEQ ID NOs: 32 to 62~~ SEQ ID NO: 32.

42. (Currently Amended) The pharmaceutical composition of claim 38, wherein the hyperimmune serum-reactive antigen or fragment of claim 39, comprising comprises at least 8 contiguous amino acids of any of ~~SEQ ID NOs: 32 to 62~~ SEQ ID NO: 32.

43. (Currently Amended) The pharmaceutical composition of claim 38, wherein the hyperimmune serum-reactive antigen or fragment of claim 39, comprising comprises at least 10 contiguous amino acids of any of ~~SEQ ID NOs: 32 to 62~~ SEQ ID NO: 32.

44-45. (Canceled)

46. (Currently Amended) The pharmaceutical composition of claim ~~[[45]]38~~, wherein the hyperimmune serum-reactive antigen or fragment is directed against *S. epidermidis*.

47. (Currently Amended) The pharmaceutical composition of claim ~~[[45]]38~~, further defined as comprising at least two different hyperimmune serum-reactive antigens and/or fragments.

48. (Previously Presented) The pharmaceutical composition of claim 47, wherein the at least two different hyperimmune serum-reactive antigens and/or fragments are both directed against *S. epidermidis*.

49. (Currently Amended) The pharmaceutical composition of claim ~~[[45]]38~~, further comprising an immunostimulatory substance.

50. (Previously Presented) The pharmaceutical composition of claim 49, wherein the immunostimulatory substance is a polycationic polymer, an immunostimulatory deoxynucleotide (ODN), a peptide containing at least two LysLeuLys motifs, a neuroactive compound, alum, or a Freund's complete or incomplete adjuvant.

51. (Withdrawn) The pharmaceutical composition of claim 50, wherein the polycationic polymer is a polycationic peptide.

52. (Withdrawn) The pharmaceutical composition of claim 50, wherein the neuroactive compound is human growth hormone.
53. (Currently Amended) The pharmaceutical composition of claim ~~[[45]]~~38, further defined as a vaccine.
54. (Previously Presented) The pharmaceutical composition of claim 53, further defined as a vaccine for treatment and/or prevention of *S. epidermidis* infection.
55. (Withdrawn - Currently Amended) A method of vaccinating a subject comprising;

obtaining a pharmaceutical composition of claim ~~[[45]]~~38; and
administering the pharmaceutical composition to a subject;
wherein the subject is vaccinated.
56. (Withdrawn) The method of claim 55, wherein the subject is a human.
57. (Withdrawn) The method of claim 55, further defined as a method of treating and/or preventing *S. epidermidis* infection in the subject.
58. (Withdrawn) The method of claim 55, wherein the hyperimmune serum-reactive antigen or fragment is directed against *S. epidermidis*.
59. (Withdrawn) The method of claim 55, wherein the pharmaceutical composition comprises at least two different hyperimmune serum-reactive antigens or fragments thereof.
60. (Withdrawn) The method of claim 59, wherein the at least two different hyperimmune serum-reactive antigens or fragments thereof are both directed against *S. epidermidis*.